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Application Number	Per Attached Exhibit A
Filing Date	Per Attached Exhibit A
First Named Inventor	N/A
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	N/A

I hereby re	I hereby revoke all previous powers of attorney given in the above-identified application.							
		ney is submitted he		mr the	above-netre	ieu appir	cation.	
<i>OR</i> ✓ I her	eby appoint	the practitioners as	sociated with th	e Cust	tomer N umber		30	0764
		e correspondence a		<u>-</u> -			· · · · · · · · · · · · · · · · · · ·	
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I am the:	licant/Invent	tor.			-			
✓ Ass State	ignee of rec ement under	ord of the entire into r 37 CFR 3.73(b) is	erest. See 37 CF enclosed. (Form	FR 3.7 1 PTO	1. /S <i>B</i> /96)			
<u> </u>		81GNATUR	E of Applicant	or As	signee of Rec	o rd		
	Signature By: Gordon Drew, Chief Financial Officer							
	Name PHYSICAL OPTICS CORPORATION							
Date	10.12				elephone			
NOTE: Signature signature is requ	es of all the inven ired, see below*.	tors or assignees of record	of the entire interest or	their rep	resentative(s) are re	quired. Subm	it multiple f	orms if more than one
✓ *Total	of <u>1</u> f	orms are submitted.						

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UN	NDER 37 CFR 3.73(b)
Applicant/Patent Owner: PHYSICAL OPTICS CORPORAT	ION
Application No./Patent No.: Per Attached Exhibit A	Filed/Issue Date: Per Attached Exhibit A
Entitled: Per Attached Exhibit A	
PHYSICAL OPTICS CORPORATION , a Cor	poration
(Name of Assignee) (Type of	f Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:	
1. the assignee of the entire right, title, and interest; or	
2. an assignee of less than the entire right, title and interes (The extent (by percentage) of its ownership interest is	
in the patent application/patent identified above by virtue of either	r.
	atent identified above. The assignment was recorded in the United FrameEXHIBIT A, or for which a copy thereof is attatched.
OR	
B. A chain of title from the inventor(s), of the patent application/pa	stant identified above, to the current assigned as follows:
The inventor (3), of the patent application/pa	tent identified above, to the current assignee as follows:
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Additional documents in the chain of title are listed on a supple	•
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of t concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignmen accordance with 37 CFR Part 3, to record the assignment The undersigned (whose title is supplied below) is authorized to act on below.	it document(s)) must be submitted to Assignment Division in in the records of the USPTO. See MPEP 302.08]
Rv. AC	/a /a a
By: Signature	half of the assignee. \[\begin{align*} \D \cdot \lambda \cdot \O \cdot \Bar{2} \cdot \O \O \cdot \
Gordon Drew	2 4.0
Printed or Typed Name	Telephone number
Chief Financial Officer	·
Title	Name of the Control o

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	4,838,630 06-13-1989	07/135,706 12-21-1987	Holographic Planar Optical Interconnect	12/21/1987	004801/0974
······	00-13-1989	12-21-1967		09/04/1998	009490/0637
USA	4,898,450 02-06-1990	07/091,520 08-31-1987	Expanded Beam Non-Imaging Fiber Optic Connector	08/31/1987	004801/0709
	02-00-1990	08-31-1987		09/04/1998	009490/0637
USA	4,926,412	07/158,396	High Channel Density Wavelength Division Multiplexer	02/22/1988	004869/0175
	05-15-1990	02-22-1988	With Defined Diffracting Means Positioning	09/04/1998	009490/0637
USA	5,026,131	07/435,608	High Channel Density, Broad Bandwidth Wavelength	11/13/1989	005180/0644
	06-25-1991	11-13-1989	Division Multiplexer With Highly Non-Uniform Bragg- Littrow Holographic Grating	09/04/1998	009490/0637
USA	4,958,892 09-25-1990	07/259,304 10-18-1988	Diffraction Coherence Filter	09/04/1998	009490/0637
USA	5,083,219	07/456,175	Method and Apparatus for Recording Lippmann Holographic Mirrors	12/26/1989	005209/0668
	01-21-1992	12-26-1989		09/04/1998	009490/0637
USA	5,153,670	07/464,116	Holographic Lippmann-Bragg Filter in a Spectroscopic System	03/08/1990	005263/0406
	10-06-1992	01-12-1990		09/04/1998	009490/0637
USA	5,221,957 06-22-1993	07/901,514 06-19-1992	Nonuniform Holographic Filter in a Spectroscopic System	09/04/1998	009490/0637
USA	5,018,814	07/479,451	Broadband Single-Mode Optical Coupler	04/02/1990	005273/0852
	05-28-1991	02-13-1990		09/04/1998	009490/0637
USA	5,067,788	07/496,799	High Modulation Rate Optical Plasmon Waveguide	03/21/1990	005259/0420
	11-26-1991	03-21-1990	Modulator	09/04/1998	009490/0637
USA	5,230,969	07/564,597	Composite Graft Optical Polymer	08/09/1990	005428/0841
	07-27-1993	08-09-1990		09/04/1998	009490/0637
USA	5,245,404 09-14-1993	07/599,816 10-18-1990	Raman Sensor	12/12/1990	005561/0901
USA	5,278,687	07/681,128	Multiwavelength Data Communication Fiber Link	04/05/1991	005683/0621
	01-11-1994	04-05-1991		09/04/1998	009490/0637
USA	5,305,123	07/818,805	Light Controlled Spatial and Angular Electromagnetic Wave	01/09/1992	005995/0184
	04-19-1994	01-09-1992	Modulator	10/15/1993	006728/0649
				09/04/1998	009490/0637

ATTACHMENT TO STATEMENT UNDER 37 CFR § 3.73(b) Attorney Docket No. 16LP-133213

Assignee: Physical Optics Corporation

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	5,260,826	07/823,262	Nonscanning Sectioning Microscope	01/21/1992	006001/0202
	11-09-1993	01-21-1992		09/04/1998	009490/0637
USA	5,276,537	07/828,363	Diamondlike Carbon Thin Film Protected Hologram and	01/30/1992	006025/0571
	01-04-1994	01-30-1992	Method of Making Same	09/04/1998	009490/0637
USA	5,293,272	07/934,793	High Finesse Holographic Fabry-Perot Etalon and Method of	08/24/1992	006210/0420
	03-08-1994	08-24-1992	Fabricating	08/24/1992	006210/0423
				09/04/1998	009490/0637
USA	5,384,221 01-24-1995	08/051,252 04-21-1993	Birefringent Azo Dye Polymer Erasable Optical Storage Medium	09/04/1998	009490/0637
USA	5,461,475 10-24-1995	08/191,056 02-02-1994	Binary Optical Spectrum Analyzer	03/29/1999	009845/0382
USA	5,485,277 01-16-1996	08/280,475 07-26-1994	Surface Plasmon Resonance Sensor and Methods for the Utilization Thereof	07/26/1994	007083/0790
USA	5,497,430		11/07/1994	007223/0028	
	03-05-1996	11-07-1994	11-07-1994 Invariant Feature Signals	09/04/1998	009490/0637
USA	5,660,181 08-26-1997	08/354,317 12-12-1994	Hybrid Neural Network and Multiple Fiber Probe for In- Depth 3-D Mapping	02/13/1995	007358/0100
USA	5,534,386 07-09-1996	08/393,050 02-23-1995	Homogenizer Formed Using Coherent Light and a Holographic Diffuser	09/04/1998	009490/0637
USA	5,956,106 09-21-1999	08/595,307 02-01-1996	Illuminated Display With Light Source Destructuring and Shaping Device	05/02/2002	012641/0928
USA	5,572,228 11-05-1996	08/382,493 02-01-1995	Evanescent Coupling Antenna and Method for the Utilization Thereof	01/16/1996	007776/0627
USA	5,815,124 09-29-1998	08/688,402 07-30-1996	Evanescent Coupling Antenna and Method for Use Therewith		
USA	5,764,317	08/494,334	3-D Volume Visualization Display	09/15/1995	007651/0468
	06-09-1998	06-26-1995		09/04/1998	009490/0637
USA	5,886,675	08/498,423	Autostereoscopic Display System With Fan-Out Modulator	09/14/1995	007651/0211
	03-23-1999	07-05-1995		05/02/2002	012641/0928
				10/10/2000	011151/0653
USA	5,922,238	08/800,872	Method of Making Replicas and Compositions for Use	05/27/1997	008558/0454
	07-13-1999	07-13-1999 02-14-1997 Therewith	Therewith	05/02/2002	012641/0928

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	6,113,801	08/922,408	Method of Making Replicas and Compositions for Use Therewith ("Colored Diffuser")	09/03/1997	008705/0100
	09-05-2000	09-03-1997	Therewith (Colored Diffuser)	05/02/2002	012641/0928
USA	6,262,140 07-17-2001	09/351,833 07-13-1999	Method of Making Replicas and Compositions for Use Therewith	11/08/1999	010366/0062
			Note: Title on PAIR listed as: COMPOSITIONS FOR USE IN MAKING OPTICAL COMPONENTS		
USA	5,994,707	08/819,050	Modular Fiber Optic Fluorometer and Method of Use Thereof	11/21/1997	008880/0312
	11-30-1999	03-18-1997		01/19/1999	009730/0747
USA	6,226,296 05-01-2001	08/861,438 05-21-1997	Metropolitan Area Network Switching System and Method of Operation Thereof ("MAN")	11/17/1997	008856/0935
USA	6,272,130 08-07-2001	09/008,849 01-19-1998	Time Division Multiplexer-Demultiplexer and Method of Operation Thereof ("TDM")	01/19/1998	008962/0314
USA	7,113,489	09/777,970	Metropolitan Area Network Switching System and Method of	02/06/2001	011562/0936
	09-26-2006	02-06-2001	Operation Thereof ("MAN")		
USA	6,058,352 05-02-2000	08/900,319 07-25-1997	Accurate Tissue Injury Assessment Using Hybrid Neural Network Analysis	02/05/1998	008985/0423
USA	USA 6,411,907 09/342,303 06-29-1999	•	· 1	12/02/1999	010419/0053
			03/03/2004	014394/0312	
USA	6,167,155	08/901,832	Method of Isomorphic Singular Manifold Projection and	02/17/1998	008990/0034
	12-26-2000	07-28-1997	Still/Video Imagery Compression	05/02/2002	012641/0928
USA		09/698,841 10-27-2000	Method of Isomorphic Singular Manifold Projection and Still/Video Imagery Compression		
USA		09/745,363 12-21-2000	Method of Isomorphic Singular Manifold Projection and Still/Video Imagery Compression		
USA	6,487,312 11-26-2002	09/745,392 12-21-2000	Method of Isomorphic Singular Manifold Projection and Still/Video Imagery Compression		
USA		09/745,354 12-21-2000	Method of Isomorphic Singular Manifold Projection and Still/Video Imagery Compression		
USA	6,446,467	08/902,415	Monolithic Glass Light Shaping Diffuser and Method for Its	01/26/1998	008934/0907
	09-10-2002	07-29-1997	Production ("Sol-Gel")		
USA	6,158,245	09/139,379	High Efficiency Monolithic Glass Light Shaping Diffuser and	05/02/2002	012641/0928
	12-12-2000	08-25-1998	Method of Making ("Sol-Gel Rubber")	11/16/1998	009594/0233
USA	6,802,188 10-12-2004	09/627,983 07-28-2000	Partially Modified Photosensitive Monolithic Glass Apparatus and Method of Making ("Sol-Gel")	10/02/2000	011129/0648

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA		10/284,026 10-30-2002	Partially Modified Photosensitive Monolithic Glass Apparatus and Method of Making ("Sol-Gel")		
USA	6,159,398 12-12-2000	09/052,586	Method of Making Replicas While Preserving Master	03/31/1998	009109/0829
	12-12-2000	03-31-1998	("Rubber")	05/02/2002	012641/0928
USA	6,208,776 03-27-2001	09/057,067 04-08-1998	Birefringent Fiber Grating Sensor and Detection System	06/26/1998	009282/0954
USA	6,201,912 03-13-2001	09/434,225 11-05-1999	Birefringent Fiber Grating Sensor and Detection System		
USA	6,014,215 01-11-2000	09/059,872 04-14-1998	Self-Referencing Interferometric Fiber Optic Sensor System Having a Transducer Mechanism With a Position Reference Reflector	06/26/1998	009287/0152
USA	6,052,179 04-18-2000	09/059,739 04-14-1998	Method and System for Determining the Wavelength of Light Transmitted Through an Optical Fiber	06/26/1998	009295/0485
USA	6,303,276 10-16-2001	09/137,397 08-20-1998	Method and Apparatus for Making Optical Masters Using Incoherent Light	08/20/1998	009407/0976
USA	6,137,912 10-24-2000	09/136,624	Method of Multichannel Data Compression	05/02/2002	012641/0928
	10-24-2000	08-19-1998		10/16/1998	009521/0737
USA	6,241,903 06-05-2001	09/137,398 08-20-1998	Diffuser Master and Method of Manufacture ("Glass Diffuser	11/23/1998	009600/0721
	00-03-2001	08-20-1998	II")	05/02/2002	012641/0928
USA	6,462,888 10-08-2002	09/759,388 01-12-2001	Diffuser Master		
USA		09/759,387 01-12-2001	Method of Manufacturing a Diffuser Using a Buffing Agent		
USA		09/759,773 01-12-2001	Method of Manufacturing a Diffuser Using a Blasting Agent		
USA	6,169,594 01-02-2001	09/139,152 08-24-1998	Beam Deflector and Scanner ("Micro LCD Scanner")	05/02/2002	012641/0928
	01-02-2001	08-24-1778		10/26/1998	010659/0552
				10/26/1998	<u>010715/0742</u>
USA	6,166,389 12-26-2000	09/139,380 08-25-1998	Apparatus Having a Light Source and a Sol-Gel Monolithic Diffuser	05/02/2002	012641/0928
	12-20-2000	00-23-1330	Diffusor	11/16/1998	009593/0451
USA		09/140,216 08-26-1998	Optical Sensor Including a Porous Integrated Optical Structure (Sol-Gel Waveguide)		

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	6,744,909	09/377,257	Authentication System and Method	10/15/1999	010313/0209
	06-01-2004	08-19-1999			
USA		10/724,552	Authentication System And Method		
		11-28-2003			
USA		09/513,711 02-25-2000	Surface-Normal Optical Fiber Interconnect		
USA		09/513,309 02-25-2000	Method and Apparatus for Optimized Lossless Compression Using a Plurality of Coders .		
USA	6,353,673 03-05-2002	09/560,412 04-27-2000	Real-Time Opto-Electronic Image Processor	09/01/2000	011076/0133
USA		09/690,149 10-16-2000	Multimedia Sensor Network ("Smart Poles")		
USA		09/920,071 08-01-2001	3D HLCD System and Method of Making		
USA	6,563,612	09/664,157	Collimating Screen Simulator and Method	09/18/2000	011104/0314
	05-13-2003	09-18-2000		11/06/2000	011243/0742
USA	6,675,863	09/656,681	Seamless Master and Method of Making Same	02/12/2001	011513/0707
	01-13-2004	09-07-2000			
USA		10/681,467	Seamless Master and Method of Making Same		
		10-06-2003			
USA	6,594,050	09/753,979 01 - 03-2001	Optical Communication Switch Node	01/03/2001	011418/0570
	07-15-2003				
USA	6,595,644	09/924,141	Dynamic Time Multiplexed Holographic Screen With 3-D		
	07-22-2003	08-07-2001	Projection		
USA		10/061,685 02-01-2002	Groove Waveguide With Reduced Output Divergence		
USA	6,650,810	09/639,063	Tunable Filter Grating Matched for Chemical Detection	12/08/2000	011330/0952
	11-18-2003	08-15-2000		12/08/2000	011330/0961
				12/08/2000	011330/0965
			,	08/21/2003	014407/0393
USA		10/758,829	Panoramic Video System With Real-Time Distortion-Free		
		01-15-2004	Imaging		

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA		11/190,697	Electrical Connector Configured As A Fastening		
		07-27-2005	Element(Meshnet)		
USA		11/644,149	Electrical connector configured as a fastening element		
		12-21-2006		***************************************	
USA		11/191/094	Connector For Harsh Environments		
		07-27-2005			
USA	7,231,017	11/191,095	Lobster Eye X-Ray Imaging System And Method Of Fabrication Thereof	07/27/2005	016829/0499
	06-12-2007	07-27-2005			
USA		11/285,591	System And Method For Maximizing Video RF Wireless		
		11-21-2005	Transmission Performance		
USA		11/285,592	Improved Stacked Rotary Connector Assembly Using A Split		
		11-21-2005	Ring Configuration		
USA		11/649,428	Roll-To-Roll Method And System For Micro-Replication Of A Pattern Of Large Relief Three-Dimensional		
		01-03-2007	Microstructures		

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	5,485,277 01-16-1996	08/280,475 07-26-1994	Surface Plasmon Resonance Sensor and Methods for the Utilization Thereof	07/26/1994	007083/0790
USA	5,660,181 08-26-1997	08/354,317 12-12-1994	Hybrid Neural Network and Multiple Fiber Probe for In-Depth 3-D Mapping	02/13/1995	007358/0100
USA	5,994,707 11-30-1999	08/819,050 03-18-1997	Modular Fiber Optic Fluorometer and Method of Use Thereof	11/21/1997 01/19/1999	008880/0312 009730/0747
USA	6,058,352 05-02-2000	08/900,319 07-25-1997	Accurate Tissue Injury Assessment Using Hybrid Neural Network Analysis	02/05/1998	008985/0423
USA	6,411,907 06-25-2002	09/342,303 06-29-1999	Accurate Tissue Injury Assessment	12/02/1999 03/03/2004	010419/0053 014394/0312
USA	6,208,776 03-27-2001	09/057,067 04-08-1998	Birefringent Fiber Grating Sensor and Detection System	06/26/1998	009282/0954
USA	6,201,912 03-13-2001	09/434,225 11-05-1999	Birefringent Fiber Grating Sensor and Detection System		
USA	6,052,179 04-18-2000	09/059,739 04-14-1998	Method and System for Determining the Wavelength of Light Transmitted through an Optical Fiber	06/26/1998	009295/0485
USA	6,014,215 01-11-2000	09/059,872 04-14-1998	Self-Referencing Interferometric Fiber Optic Sensor System Having a Transducer Mechanism With a Position Reference Reflector	06/26/1998	009287/0152
USA		09/140,216 08-26-1998	Optical Sensor Including a Porous Integrated Optical Structure (Sol-Gel Waveguide)		
USA	5,245,404 09-14-1993	07/599,816 10-18-1990	Raman Sensor	12/12/1990	005561/0901
USA	6,650,810 11-18-2003	09/639,063 08-15-2000	Tunable Filterq	12/08/2000 12/08/2000 12/08/2000 08/21/2003	011330/0952 011330/0961 011330/0965 014407/0393

ATTACHMENT TO STATEMENT UNDER 37 CFR § 3.73(b) Attorney Docket No. 16LP-133213

Assignee: Physical Optics Corporation

Country	Patent No./ Issue Date	Serial No./ Filing Date	Title	Assignment Recordation Date	Reel/Frame
USA	6,802,188 10-12-2004	09/627,983 07-28-2000	Partially Modified Photosensitive Monolithic Glass Apparatus and Method of Making ("Sol-Gel")	10/02/2000	011129/0648
USA		10/284,026 10-30-2002	Partially Modified Photosensitive Monolithic Glass Apparatus and Method of Making ("Sol-Gel")		